Europäisches Patentamt
European Patent Office
Office européen des brevets



EP 1 050 932 A3

(12)

EUROPEAN PATENT APPLICATION

- (88) Date of publication A3: 16.01.2002 Bulletin 2002/03
- (43) Date of publication A2: 08.11.2000 Builetin 2000/45
- (21) Application number: 00109562.9
- (22) Date of filing: 04.05.2000
- (84) Designated Contracting States:
 AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
 MC NL PT SE
 Designated Extension States:
 AL LT LV MK RO SI
- (30) Priority: 07.05.1999 JP 12743999
- (71) Applicant: Sumitomo Wiring Systems, Ltd. Yokkaichi-City, Mie, 510-8503 (JP)
- (72) Inventors:
 - Saito, Masashi, Sumitomo Wiring Systems, Ltd. Yokkaichi-city, Mie 510-8503 (JP)

(51) Int CI.7: **H01R 13/658**, H01R 13/506, H01R 9/05

(11)

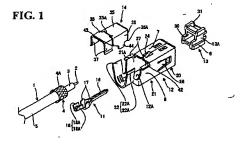
- Koide, Takashi, Sumitomo Wiring Systems, Ltd. Yokkaichi-citv. Mie 510-8503 (JP)
- Aoyama, Masahiko, Sumitomo Wiring Systems, Ltd. Yokkaichi-city, Mie 510-8503 (JP)
- (74) Representative:
 Müller-Boré & Partner Patentanwälte
 Grafinger Strasse 2
 81671 München (DE)
- (54) A shielding terminal and method for connecting a shielding terminal
- (57) [Object]

To provide a shielding terminal capable of providing improved shielding characteristics.

[Solution]

A shielding terminal is comprised of an inner terminal 11 to be connected with a core 2, an outer terminal 12 to be connected with a braided wire 4, a dielectric element 13 for insulating the two terminals 11 and 12 from each other, and a cover 14 to be mounted on an

upper portion of the outer terminal 12. After the core 2 is fastened to an inner fastening portion 18 of the inner terminal 11 outside the outer terminal 12, the inner terminal 11 is inserted into the dielectric element 13. An outer fastening portion 22 of the outer terminal 12 is crimped into connection with a section 4A of the braided wire 4 folded back around an end of a sheath 5. In the center of the outer terminal 12, the upper surface is opened to provide an open space 21A. The fastened portion of the core 2 is covered on four sides by mounting the cover 14 to cover the open space 21A.



Printed by Jouve, 75001 PARIS (FR)



EUROPEAN SEARCH REPORT

Application Number EP 00 10 9562

Category	Citation of document with indication of relevant passages	on, where appropriate,	Retevant to claim	CLASSIFICATION OF THE APPLICATION (InLCL7)
X A	JP 07 022107 A (YAZAKI 24 January 1995 (1995-0 * figures 1,2 * * PATENT ABSTRACTS OF JAVOL. 1995, no. 04, 31 May 1995 (1995-05-31 & JP 07 022107 A (YAZAK) 24 January 1995 (1995-01 * abstract *	1-24) APAN) I CORP),	1,2,5-7 8	H01R13/658 H01R13/506 H01R9/05
	US 5 667 404 A (KATO TAT 16 September 1997 (1997- * column 3, line 41 – co figures 1,6 *	-09-16)	1,8	
- 1:	US 5 409 400 A (DAVIS WA 25 April 1995 (1995-04-2 * abstract; figure 1 *		1,8	
- 1:	WO 97 23926 A (WHITAKER 3 July 1997 (1997-07-03) • abstract; figure 2 *	1,8	TECHNICAL FIELDS SEARCHED (IM.CL.7)	
8	US 5 145 409 A (SATO KEN B September 1992 (1992-0 c claims 1,2; figures 2	9-08)	1,8	
	he present search report has been draw			
P	tecs of search	Onte of completion of the search		Examiner
CATE	HE HAGUE	26 November 2001 T: theory or principle as E: earlier patent docum	ncientying the inve	ez, J
r : particul docume A : technol	arly relevant if iziken alone prly relevant if combined with another int of the same category oglical background itten disclosure	after the filing date D; document cited in th L; document cited for the	ther reasons	onesponding

EPO FORM 1503 33 62 (PO4001)

2

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 10 9562

This annex lists the patent family members religing to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EOP file on The European Patent Office is in on way liable for these particulars which are merely given for the purpose of information.

26-11-2001

Patent document cited in search report		Publication date		Patent family member(s)		Publication date	
JP	07022107	A	24-01-1995	NONE			
US	5667404	Α	16-09-1997	JP DE	8050966 19528552		20-02-1996 08-02-1996
US	5409400	A	25-04-1995	BR CN DE DE EP JP JP	9400101 1093496 69320019 69320019 0606739 3097891 7254454	A ,B D1 T2 A2 B2	02-08-1994 12-10-1994 03-09-1998 17-12-1998 20-07-1994 10-10-2000 03-10-1995
				KR US	218241 5342216		01-09-1999 30-08-1994
10	9723926	А	03-07-1997	US WO	5683269 9723926		04-11-1997 03-07-1997
JS	5145409	Α	08-09-1992	NONE			
		·					

O in For more details about this annex ; see Official Journal of the European Patent Office, No. 12/82